

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/129,883
ATTORNEY DOCKET NO. Q46699

said solid core having a distortion of 2.8 to 6.5 mm under an applied load of 100 kg, and
a product of the Shore D hardness of said inner cover layer multiplied by the Shore D
hardness of said outer cover layer and a proportion V_R (%) of the total of the volumes of dimple
spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a
phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any
one of the following combinations (1) to (5):

(1) the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less
than 2,000

V_R : 0.8 to 0.93%

D | (2) the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less
than 2,500

V_R : 0.75 to 1.05%

(3) the product of Shore D hardnesses of inner and outer cover layers: 2,500 to less
than 3,000

V_R : .7 to 1%

(4) the product of Shore D hardnesses of inner and outer cover layers: 3,000 to less
than 3,500

V_R : 0.65 to 0.95%

(5) the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

V_R : 0.6 to 0.9%,

BJ
concl
and said dimples include at least three types of dimples which are different in at least one of, diameter, depth, and value V_0 which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom.

16. (*Amended*) A multi-piece solid golf ball comprising; a solid core and a cover consisting of inner and outer layers surrounding the core, the outer cover layer having a surface formed with a plurality of dimples,

BJ
said solid core having a distortion of 2.8 to 3.0 mm under an applied load of 100 kg, and a product of the Shore D hardness of said inner cover layer multiplied by the Shore D hardness of said outer cover layer and a proportion V_R (%) of the total of the volumes of dimple spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any one of the following combinations (1) to (5):

(1) the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less than 2,000

V_R : 0.8 to 1.1%


(2) the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less than 2,500

V_R : 0.75 to 1.05%

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/129,883
ATTORNEY DOCKET NO. Q46699

(3) the product of Shore D hardnesses of inner and outer cover layers: 2,500 to less than 3,000

V_R : .7 to 1%

 (4) the product of Shore D hardnesses of inner and outer cover layers: 3,000 to less than 3,500

V_R : 0.65 to 0.95%

(5) the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

V_R : 0.6 to 0.9%,

and said dimples include at least three types of dimples which are different in at least one of, diameter, depth, and value V_0 which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom.
